Form C-122-A
Revised April 20, 1955

NEW MEXICO OIL CONSERVATION COMMISSION

GAS WELL TEST DATA SHEET - - SAN JUAN BASIN

(TO BE USED FOR FRUITLAND, PICTURED CLIFFS, MESAVERDE, & ALL DAKOTA EXCEPT BARKER DOME STORAGE AREA)

Pool Blanco Formation Mesa Verde County Rio Arriba

Purchasing Pipeline El Paso Natural Gas Company Date Test Filed

Operator El Paso Natural Gas Co. Lease San Juan 28-6 Unit Well No. 38

Unit A Sec. 5 Twp. 27 Rge. 6 Pay Zone: From 5035 To 5763

Casing: OD 5½ WT. 15.5 Set At 5775 Tubing: OD 2 WT. 4.7 T. Perf. 5648

Produced Through: Casing ____ Tubing X Gas Gravity: Measured ____ Estimated .680

Date of Flow Test: From 12/23 To 12/31 * Date S.I.P. Measured 10/26/55

Meter Run Size 4 Orifice Size ____ Type Chart Sq. Rt. Type Taps Flange

OBSERVED DATA

Flowing casing pressure (Dwt) ____ psig + 12 = ____ psia			(a)
Flowing tubing pressure (Dwt) ____ psig + 12 = ____ psia			(b)
Flowing meter pressure (Dwt) ____ psig + 12 = ____ psia			(c)
Flowing meter pressure (meter reading when Dwt. measurement taken:			
Normal chart reading ____ psig + 12 = ____ psia			(d)
Square root chart reading (____) ^{2} x spring constant ____ = ____ psia			(d)
Meter error (c) - (d) or (d) - (c)	±	= ____ psi	(e)
Friction loss, Flowing column to meter:			
(b) - (c) Flow through tubing: (a) - (c) Flow through casing		= ____ psi	(f)
Seven day average static meter pressure (from meter chart):			
Normal chart average reading ____ psig + 12 = ____ psia			(g)
Square root chart average reading (7.65) ^{2} x sp. const. 10		= 585 psia	(g)
Corrected seven day avge. meter press. (p_f) (g) + (e)		= 585 psia	(h)
P_t = (h) + (f)		= 585 psia	(i)
Wellhead casing shut-in pressure (Dwt) 1082 psig + 12 = 1094 psia			(j)
Wellhead tubing shut-in pressure (Dwt) 1070 psig + 12 = 1082 psia			(k)
P_c = (j) or (k) whichever well flowed through		= 1082 psia	(l)
Flowing Temp. (Meter Run) 57 °F + 460		= 517 °Abs	(m)
P_d = ½ P_c = ½ (l)		= 541 psia	(n)

FLOW RATE CALCULATION

$$Q = \text{____ (integrated)} \times \left(\frac{\sqrt{(c)}}{\sqrt{(d)}} = \frac{\quad}{\quad} = \quad \right)^{*} = 722 \text{ MCF/da}$$

DELIVERABILITY CALCULATION

$$D = Q \left[\frac{\left(P_c^2 - P_d^2\right) = 878,043}{\left(P_c^2 - P_w^2\right) = 817,256} \right]^{n} \frac{1.0744}{1.0553} = 762 \text{ MCF/da.}$$

SUMMARY

P_c = 1082 psia
Q = 722 Mcf/day
P_w = 595 psia
P_d = 541 psia
D = 762 Mcf/day

Company El Paso Natural Gas Company
By Original Signed
Title Lewis D. Galloway
Witnessed by ____
Company ____

* This is date of completion test.

* Meter error correction factor

REMARKS OR FRICTION CALCULATIONS

GL	$(1-e^{-s})$	$(F_cQ)2$	$\frac{(FcQ)^2}{R^2}$ $(1-e^{-s})$	Pt^2 (Column i)	$P_t^2 + R^2$	P_w
3841	.2144	46.077	11,243	342,225	353,468	595

D @ 500 = 774

RECEIVED
JAN 19 1956
OIL CON. COM.
DIST. 3